

FIG. 1 (PRIOR ART)

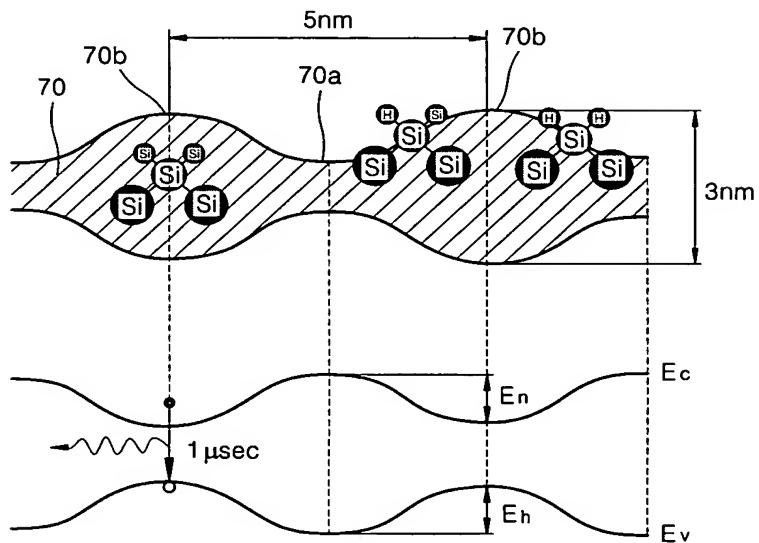
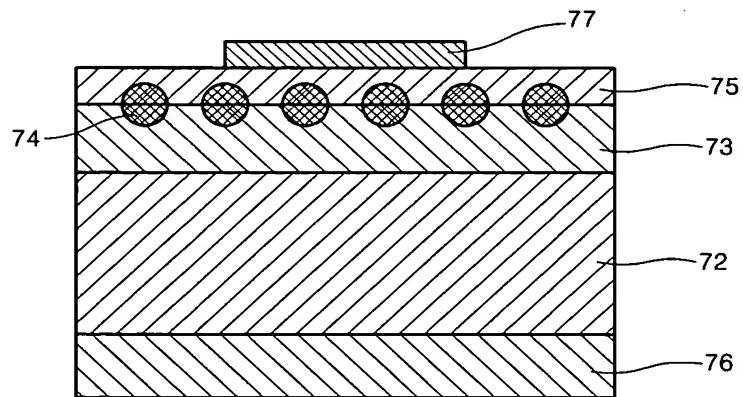
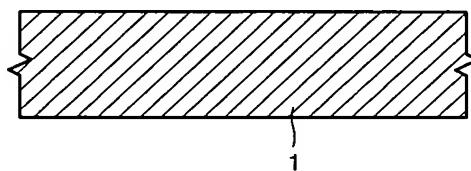


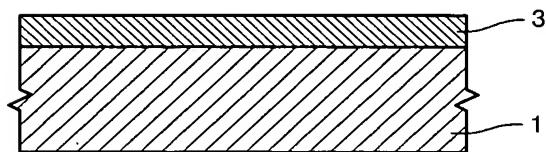
FIG. 2 (PRIOR ART)



**FIG. 3**



**FIG. 4A**



**FIG. 4B**

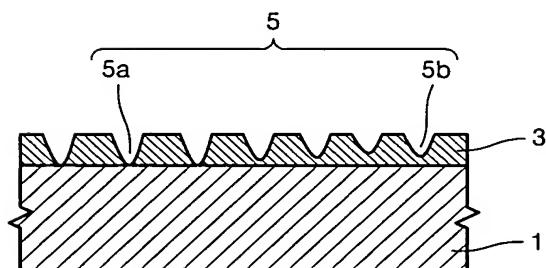


FIG. 4C

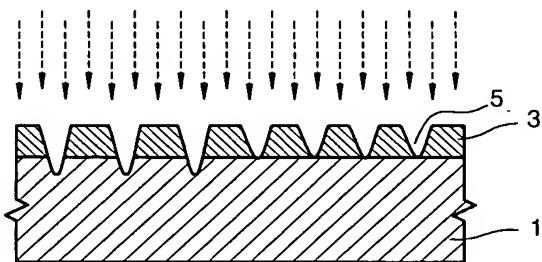


FIG. 4D

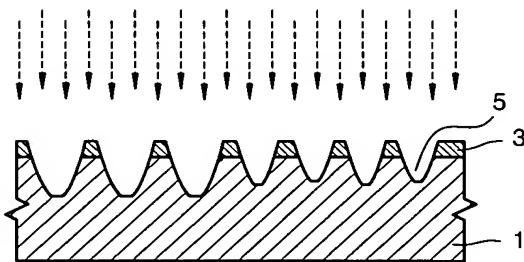


FIG. 4E

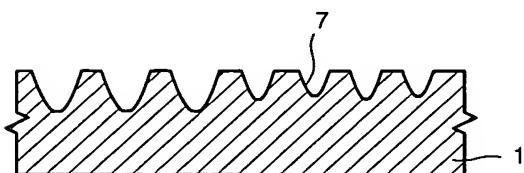


FIG. 5A

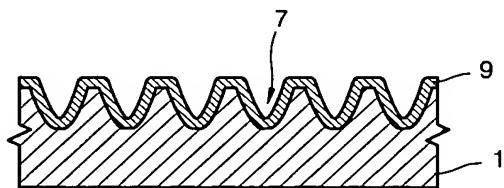


FIG. 5B

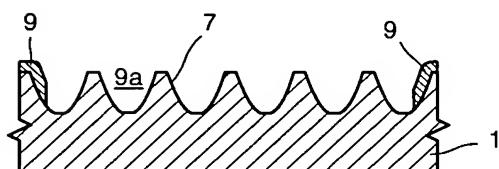
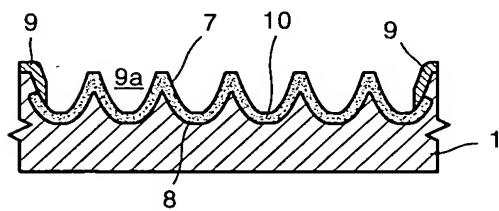
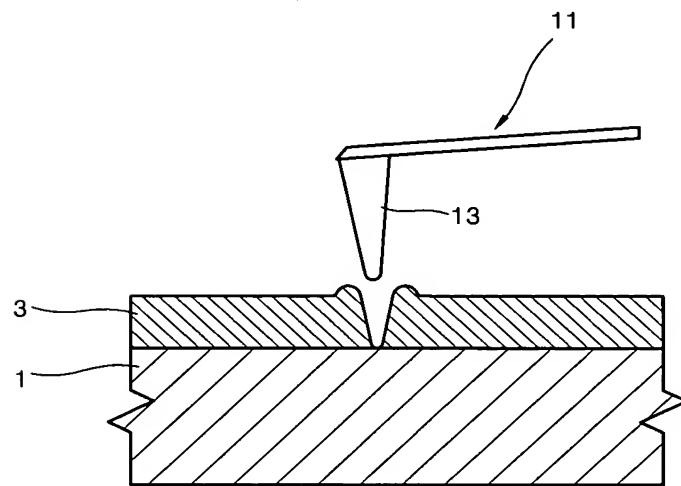


FIG. 6



**APPLN. FILING DATE: JANUARY 16, 2004**  
**TITLE: METHOD OF MANUFACTURING SILICON OPTOELECTRONIC**  
**DEVICE, SILICON OPTOELECTRONIC DEVICE MANUFACTURED BY THE**  
**METHOD, AND IMAGE INPUT AND/OR OUTPUT APPARATUS USING THE**  
**SILICON OPTOELECTRONIC DEVICE**  
**INVENTOR(S): EUN-KYUNG LEE ET AL**  
**ATTORNEY DOCKET NO.: 030681-624 SHEET 5 OF 16**

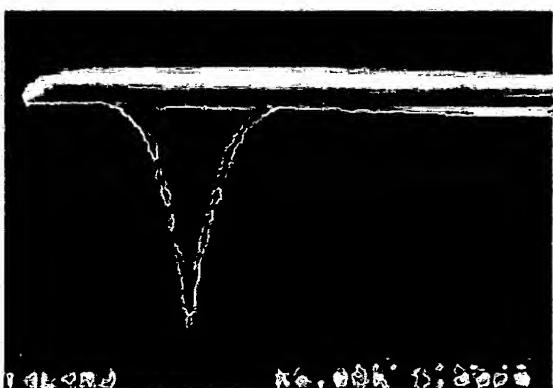
**FIG. 7**



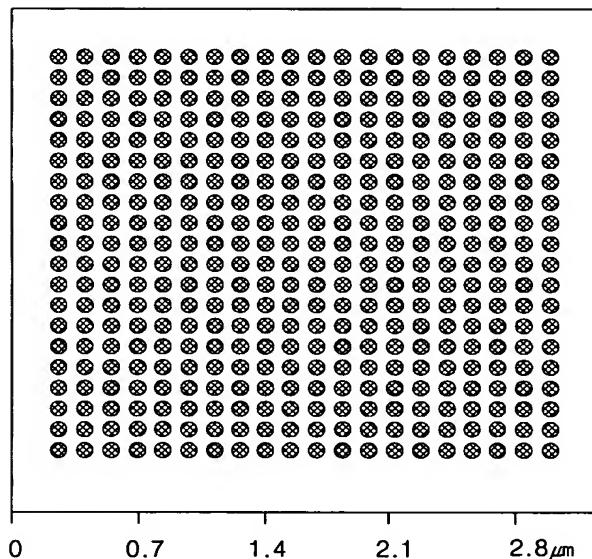
**FIG. 8A**



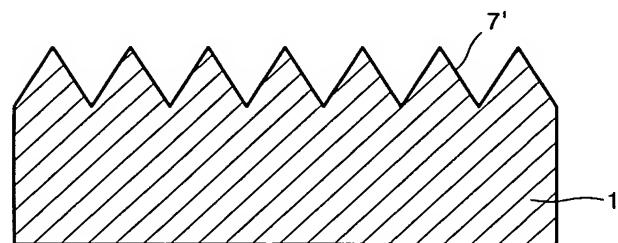
**FIG. 8B**



**FIG. 9**



**FIG. 10**



**FIG. 11**

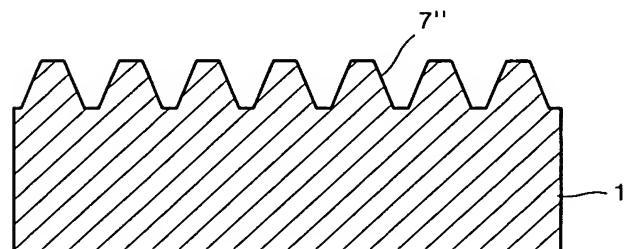


FIG. 12

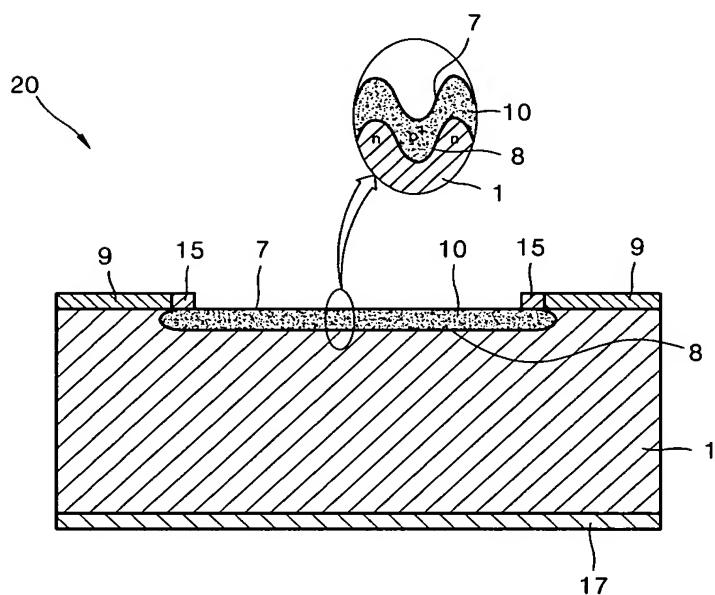


FIG. 13

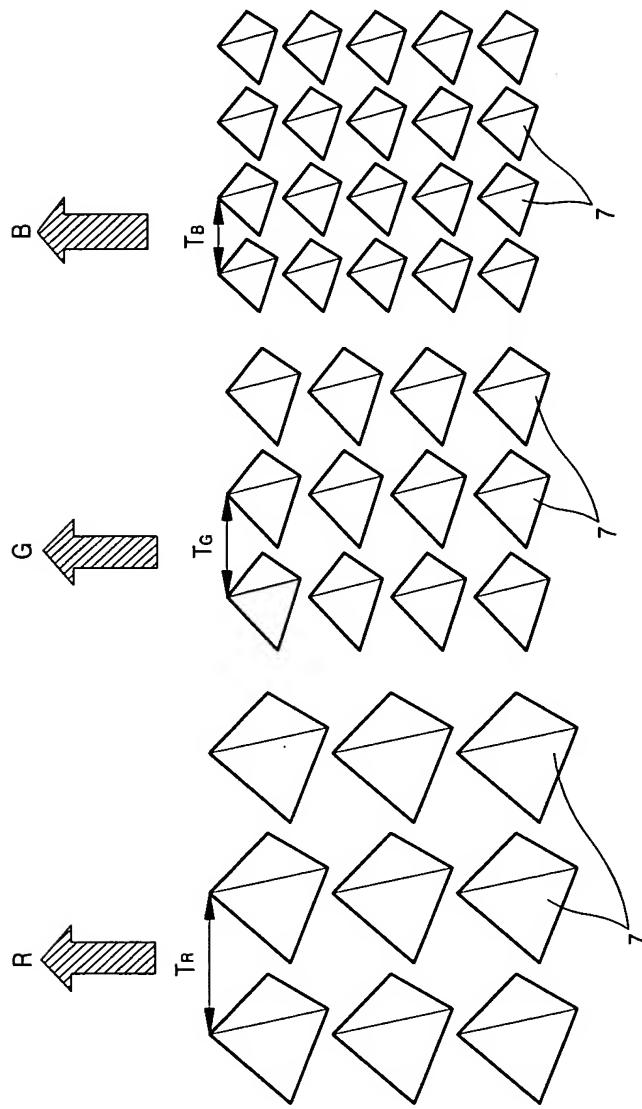


FIG. 14

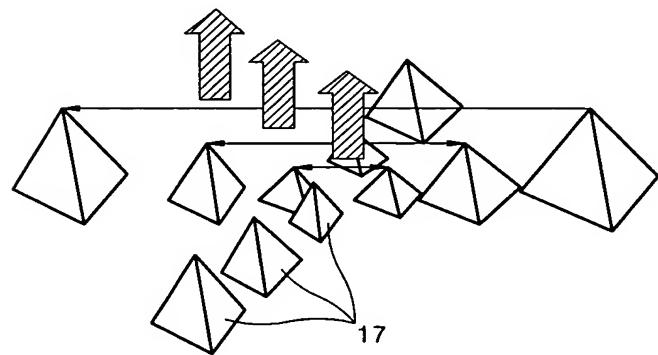


FIG. 15

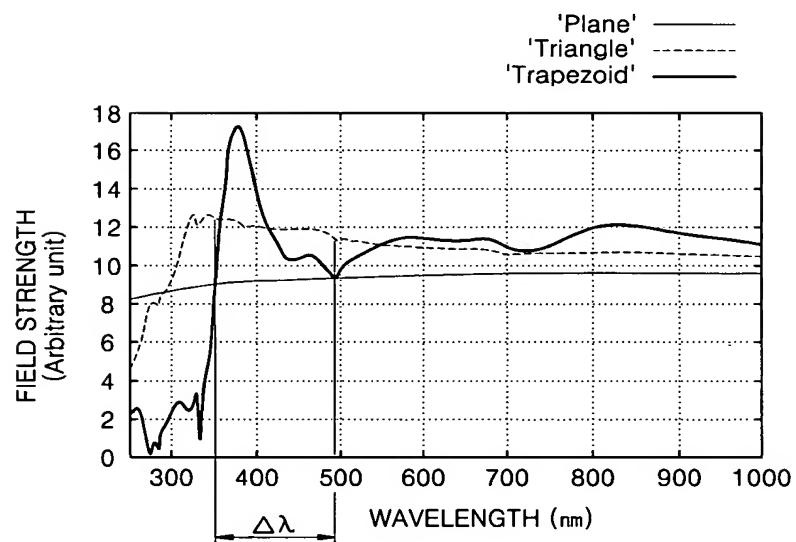


FIG. 16

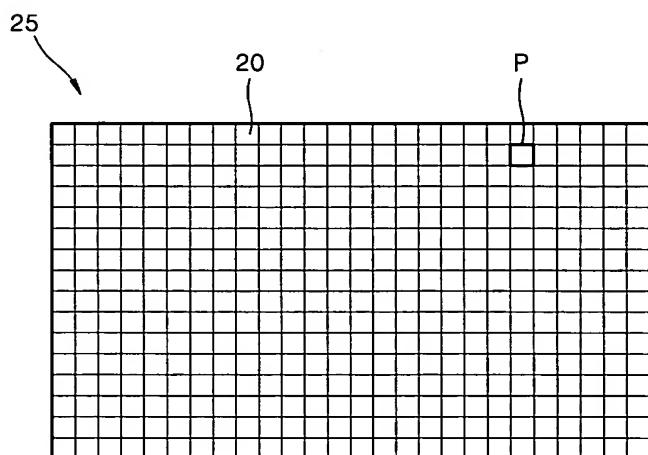
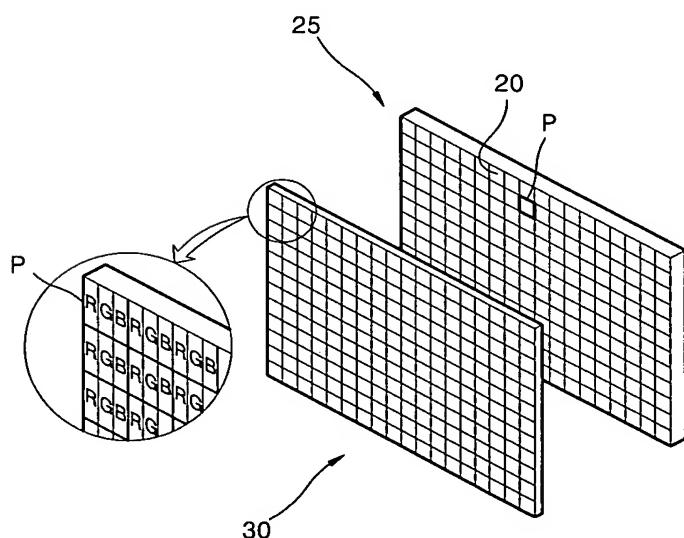
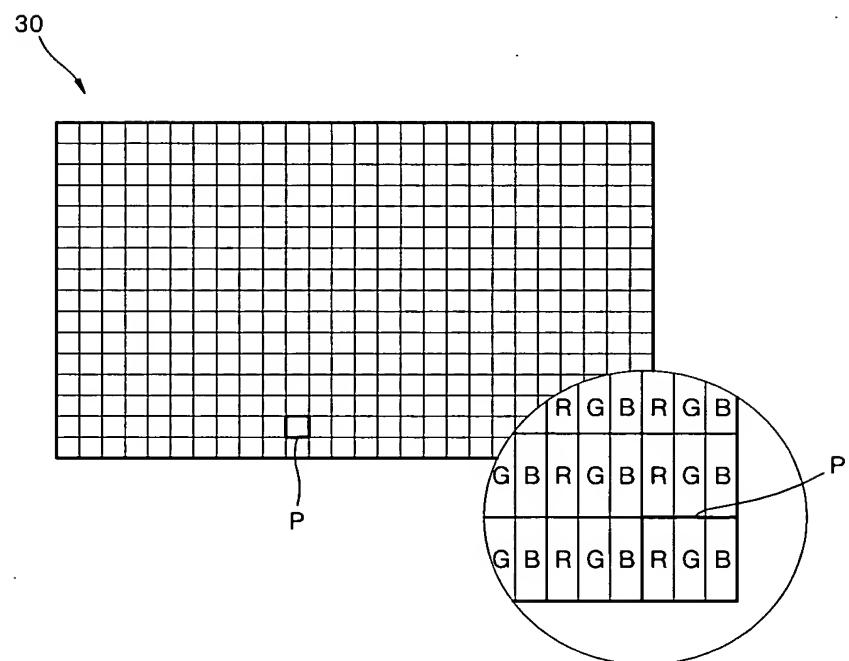


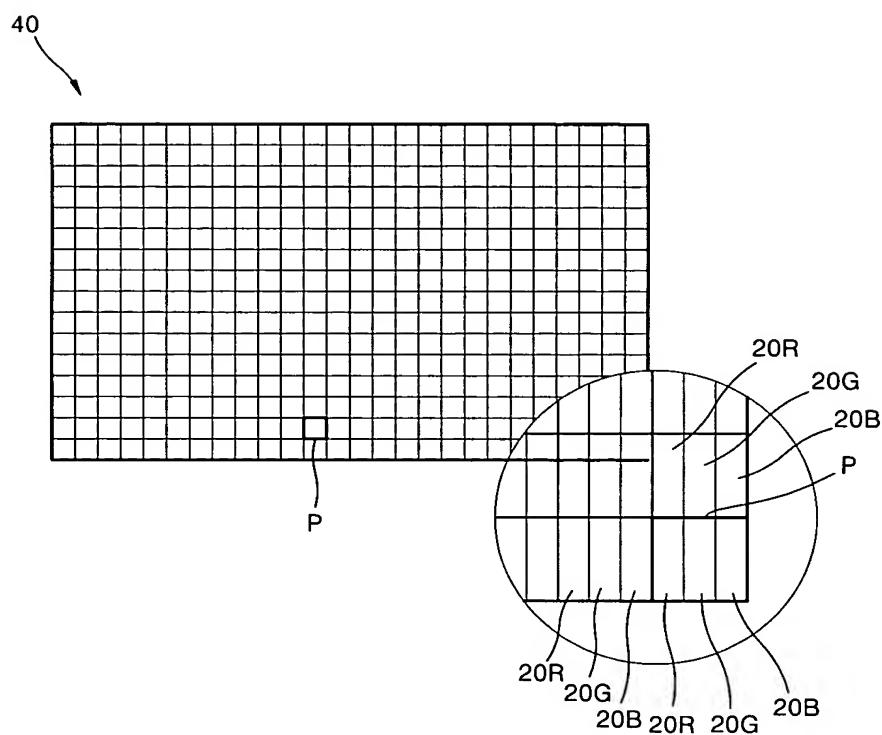
FIG. 17



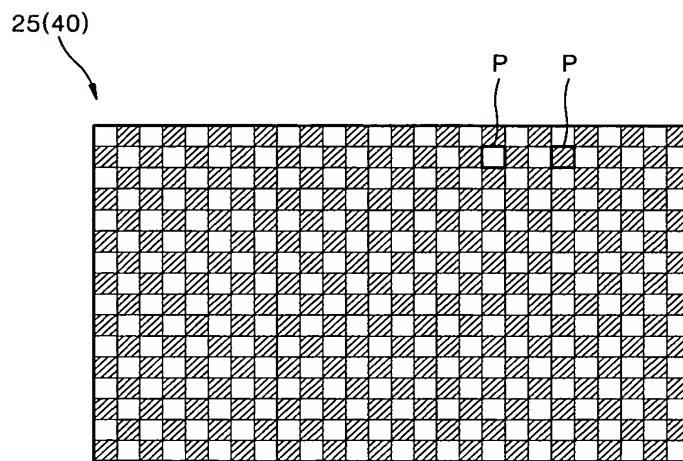
**FIG. 18**



**FIG. 19**



**FIG. 20**



**FIG. 21A**

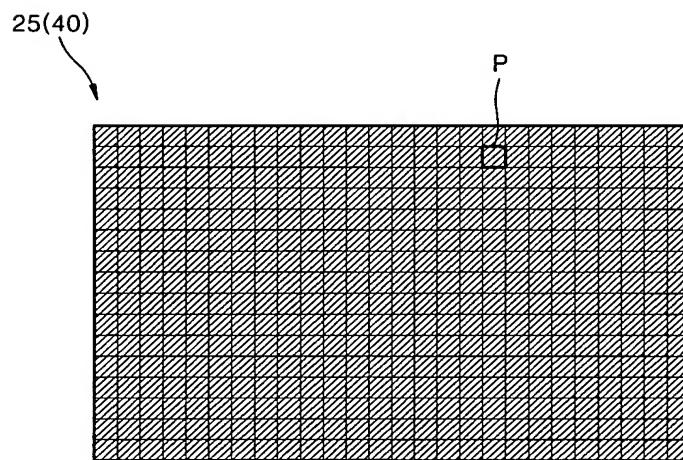


FIG. 21B

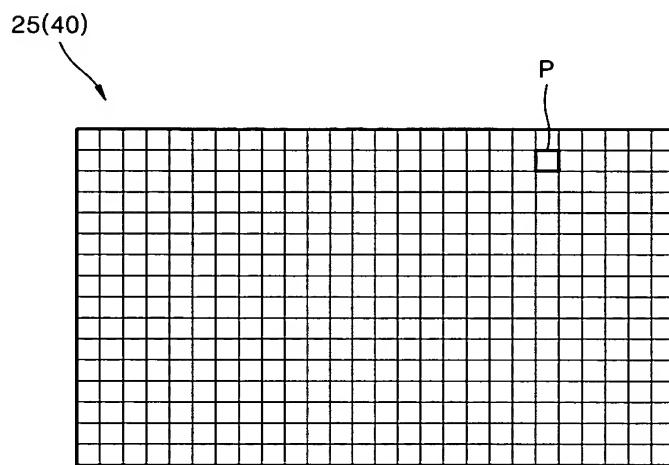


FIG. 22

